ADM232DIX-3 Process Signal Trip Transmitter

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508) safety system loop applications
- Supply voltages: 115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- RFI Protection to IEC61000-4-3:2006/A2:2010 available ('K' option) 20MHz-3GHz/5.25GHz ≤10V/m, 80MHz-1GHz/5.6GHz ≤30V/m
- AMELEC Standard 10 year Warranty

Technical Specifications

Input
Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Typical Input
4-20mA (impedance 20Ω) or 0-10Vdc (impedance 1MΩ)

Analogue Output
Any standard process current or voltage
Current source up to 20mA. Drive voltage 11Vdc
Voltage source up to 10V. Max current 20mA

Typical Output
4-20mA (max load 550Ω) or 0-10Vdc (min load 500Ω)

Trip Output
Single High or Low Trip set point, with 3 x sets of N.O (or N.C) relay contacts, each rated at 250VAC, 2A, 100VA (resistive)
Relay Status indicator: Red LED ON Energised, Extinguish on Trip

Digital Display
Continuous indication of the Process input on a 3½ digit LCD front fascia display, with Read button to show the trip set point.
Calibration Range: -1999 to +1999

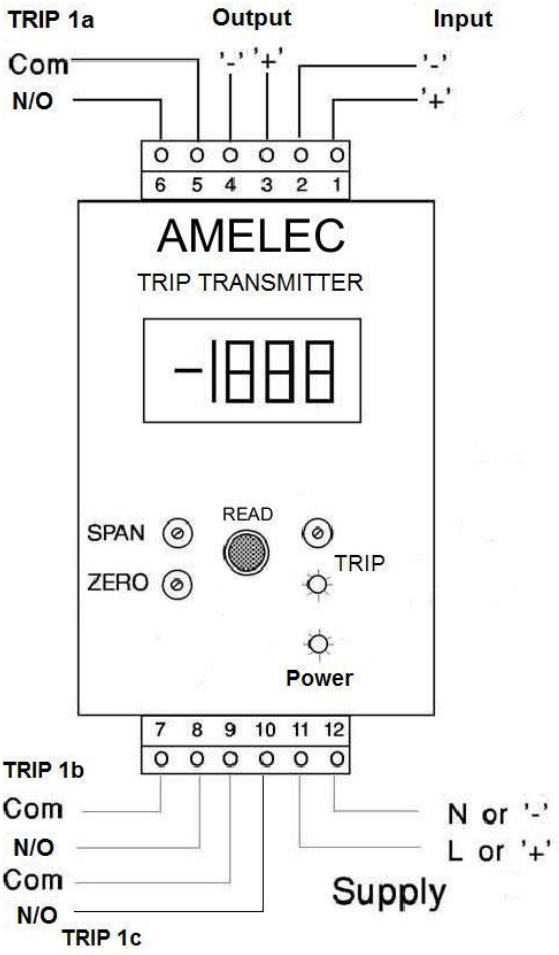
Performance
Accuracy/Linearity: <±0.1%
Input open circuit response: Downscale drive as standard
Relays fail safe: De-energise on Trip and loss of power as standard
Isolation: 1000V RMS* Input/Output/Contacts-Contacts/Supply/Earth
(*500Vdc when RFI Protection 'K' option is specified)

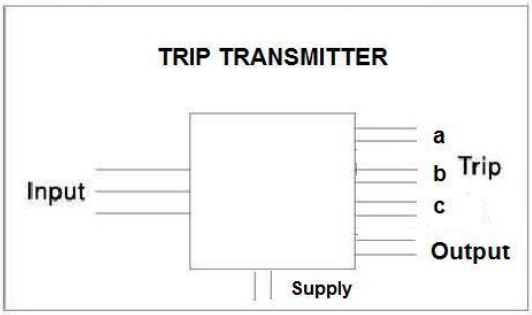
Environmental Conditions
Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Dimensions
50w x 75h x 145d mm ('K' option enclosure = 182d mm)

Additional Options available
- Input O/C response UPSCALE drive available
- 24Vdc @22mA I/P loop excitation (**M** Option)

WIRING





Mounting
DIN Rail (TS35) as standard,
Surface by seismic Keyhole plate &
Front of Panel mounting options also available.

Customer Termination
Fixed screw terminals as standard
(Plug-in terminals optional)

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